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09/197,844	11/23/1998	GAD JANAY	030	1758

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EXAMINER

PAULA, CESAR B

ART UNIT	PAPER NUMBER
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2178

DATE MAILED: 02/19/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

09/197,844

**Applicant(s)**

JANAY, GAD

**Examiner**

CESAR B PAULA

**Art Unit**

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 12 December 2003.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

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### **DETAILED ACTION**

1. This action is responsive to the response filed on 12/12/2003.

**This action is made Final.**

2. In the response, claims 1-18 are pending in the case. Claims 5, 10-11, and 15 are independent claims.

### ***Drawings***

3. This application has been filed with informal drawings which are acceptable for examination purposes only. Formal drawings will be required when the application is allowed.

### ***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1-3, 5-11, and 13-18 remain rejected under 35 U.S.C. 103(a) as being unpatentable over Warmus et al, hereinafter Warmus (Pat.# 6,327,599, 12/4/01, filed 6/7/95), in view of Barnes, "10 Minute Guide To Windows 3.1", SAMS, 1992, p.119-123.

Regarding independent claim 1, Warmus discloses automatically intercepting a print job sent to an ink jet printer and adding additional variable information, which contain additional customized information after it leaves the user computer, and before it arrives at the printer. New information is added onto the template to produce several documents containing different information in a format different from the format originally sent by the user—data and template (c.3, L.8-67, c.5, L.61-c.7, L.67, fig.3). Warmus fails to explicitly disclose *a print spool*. Barnes teaches a print manager spooler for feeding a print job to a designated printer (p.119-120). It would have been obvious to one of ordinary skill in the art at the time of the invention to have combined the teachings of Warmus, and Barnes, because Barnes teaches above a print manager for holding print jobs not printed by the printer. This would provide the benefit of keeping the print jobs in a queue, instead of losing the print jobs.

Furthermore, Warmus teaches the printing of additional information related to a print job. The additional information is retrieved from a database using the variable data in the templates for retrieving additional information from the database or as a key for the database (c.3, L.8-67, c.5, L.61-c.6, L.67).

Regarding claim 2, which depends on claims 1, Warmus teaches the printing of various books or book versions from the same single print job (col.7, lines 37-67).

Regarding claim 3, which depends on claims 1, Warmus teaches the printing of various books or book versions containing different or variable information which changes from book to book (col.7, lines 40-67).

Claims 5-6 are directed towards a tool for implementing the tool of claims 1-2, and therefore are similarly rejected.

Regarding claim 7, which depends on claim 5, Warmus discloses the intercepting of a document template—*original format*— to be printed and using this information for the retrieval of variable data from a database. New information is added onto the template to produce several documents containing different information in a double-side printing format (col.3, line 7-col.4, line 12, col.6, lines 1-67, and col.7, line1-col.8, lines 1-67).

Claims 8-10, and 13-14 are directed towards a formatting tool for implementing the tool of claims 3, 3, and (1 & 3), 1, and 3, and therefore are similarly rejected.

Regarding independent claim 11, Warmus discloses automatically intercepting a print job, with static, and variable information—*first, and second portion--* sent to a printer and adding additional variable information from a database based upon the variable information or *keys*, which contain additional customized information. New information is added onto the template to produce several documents containing different information in a format different from the format originally sent by the user—data and template. One document having information not present in the other (c.3, L.8-67, c.5, L.61-c.7, L.67, fig. 6a-b).

Regarding independent claim 15, Warmus teaches the printing of various books or book

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versions using template files, which have fixed data, and information for identifying locations for printing variable information (col.6, lines 1-67, col.7, lines 37-67).

Moreover, Warmus teaches the formatting and interception of data before it reaches the printer, and inserting variable data located in a database (col.5, lines 60- col.6, line 67). Warmus fails to explicitly disclose *a print spool*. Barnes teaches a print manager spooler for feeding a print job to a designated printer (p.119-120). It would have been obvious to one of ordinary skill in the art at the time of the invention to have combined the teachings of Warmus, and Barnes, because Barnes teaches above a print manager for holding print jobs not printed by the printer. This would provide the benefit of keeping the print jobs in a queue, instead of losing the print jobs.

Furthermore, Warmus fails to explicitly disclose *parsing the identification segment*. It would have been obvious to one of ordinary skill in the art at the time of the invention to have parsed to identify the segment, because Warmus teaches the reading of variable template data to identify where to retrieve, and how to format the variable data (col. 6, lines 1-col.7, line 67).

Claims 16-18 are directed towards a method for implementing the tool of claims 2, 2, and 3, and therefore are similarly rejected.

6. Claims 4, and 12 remain rejected under 35 U.S.C. 103(a) as being unpatentable over Warmus, in view of Barnes, and further in view of Ikenoue et al, hereinafter Ikenoue (Pat. # 5,987,127, 11/16/99, filed on 7/15/97).

Regarding claim 4, which depends on claim 3, Warmus discloses the intercepting of a document template—*original format*— to be printed and using this information for the retrieval of variable data from a database (col.3, line 7-col.4, line 12, col.6, lines 1-67, and col.7, line1-col.8, lines 1-67). Warmus fails to explicitly disclose *whether or not information is confidential*. Ikenoue teaches the embedding of additional data about a document, such as whether or not a document is secret, onto hard copies of a document for security and copyright purposes (col.2, lines 24-67, and col.5, lines 1-col.6, line 67). However, it would have been obvious to a person of ordinary skill in the art at the time of the invention to have combined the teachings of Warmus, Barnes, and Ikenoue, because Ikenoue teaches above an effective document copy management tool.

Regarding claim 12, which depends on claim 5, Warmus discloses the intercepting of a document template—*original format*— to be printed and using this information for the retrieval of variable data from a database (col.3, line 7-col.4, line 12, col.6, lines 1-67, and col.7, line1-col.8, lines 1-67). Warmus fails to explicitly disclose fails to explicitly disclose *second portion is a confidential portion*. Ikenoue teaches the embedding of additional data about a document, such as whether or not a document is secret, onto hard copies of a document for security and copyright purposes (col.2, lines 24-67, and col.5, lines 1-col.6, line 67). However, it would have been obvious to a person of ordinary skill in the art at the time of the invention to have combined the teachings of Corona, Barnes, and Warmus, and Ikenoue, because Ikenoue teaches above an effective document copy management tool.

***Response to Arguments***

7. Applicant's arguments filed 12/12/2003 have been fully considered but they are not persuasive. The applicant indicates that there is no teaching or suggestion in either Warmus or Barnes for intercepting data in a document which is being sent to a printer from a print spool or intercepting the data in the document after it arrives at the print spool (page 2, lines 6-10). The examiner disagrees, because Warmus teaches the sending of a template representing pages (from a book or such) to be printed, which has fixed and variable information, to an ink jet printer. The variable information is made up of data identifying entries stored in a database, which are to be retrieved and inserted into the template. A user specifies or indicates the printing of the pages. As a result, these pages, which have the template with fixed and variable information, are sent to a printer system (fig. 3, 62), where only the fixed pages are printed. In turn, the printed pages are relayed to a finishing apparatus 66, which has an ink jet printer(s) 72, for printing customized information onto the printed pages. Before the printed pages are printed at the ink jet printer, the variable or customizable information is retrieved from a database using data in the template which refers to entries in the database. Once the database entries are retrieved, the printer proceeds to insert, and print such entries into the printed pages (col. 5, lines 61-67, col. 6, lines 1-9, 25-67, col. 8, lines 53-67, and fig.3). Warmus fails to explicitly disclose *a print spool*. Barnes teaches a print manager spooler for feeding a print job to a designated printer (p.119-120). It would have been obvious to one of ordinary skill in the art at the time of the invention to have combined the teachings of Warmus, and Barnes, because Barnes teaches above a print manager for holding print jobs not printed by the printer. This would provide the benefit of keeping the



print jobs in a queue, instead of losing the print jobs, such as the print job sent to the print system 62 taught by Warmus. So that the pages sent to the ink jet printer 72 are intercepted after leaving the print spool to the ink jet printer, and before it gets printed out at the ink jet printer.

Moreover, the applicant submits that neither Warmus does not teach or suggest the generation of two documents, one includes two portions of data, while the other only has one portion of data (page 3, lines 17-23). The examiner disagrees, because Warmus teaches the printing of 3 books containing the same fixed information, but different variable information (col.6, lines 1-40, col. 7, lines 1-35, col. 8, lines 37-56, fig. 6a-b). In other words, a first book has fixed information, and variable information—*two portions*. While, the second book only has the same fixed information contained in the first book—*one portion*.

Claims 2-4, 6-9, 12-14, and 16-18 are rejected at least based on the same reasons stated above.

### ***Conclusion***

**8. THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

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CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

I. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cesar B. Paula whose telephone number is (703) 306-5543. The examiner can normally be reached on Monday through Friday from 8:00 a.m. to 4:00 p.m. (EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Heather Herndon, can be reached on (703) 308-5186. However, in such a case, please allow at least one business day.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

Any response to this Action should be mailed to:

Director United States Patent and Trademark Office

Washington, D.C. 20231


Or faxed to:

- (703) 703-872-9306, (for all Formal communications intended for entry)

**Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).**

*CBP*

2/12/04

  
**STEPHEN S. HONG**  
**PRIMARY EXAMINER**